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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/531,888	04/20/2005	Shinkichi Ikeda	MAT-8683US	5896
23122	7590	05/18/2007		
RATNERPRESTIA			EXAMINER	
P O BOX 980			NOORISTANY, SULAIMAN	
VALLEY FORGE, PA 19482-0980				
			ART UNIT	PAPER NUMBER
			2109	
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	Application No. 10/531,888	Applicant(s) IKEDA ET AL.	
	Examiner Sulaiman Nooristany	Art Unit 2109	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |  |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>04/20/2005</u> . | 6) <input type="checkbox"/> Other: ____  |

**Detailed Action**

1. This Office Action is response to the application (10/531888) files on 20 March 2005.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-15 are rejected under 35 U.S.C. 102(e) as being anticipated by **Jensen** U.S Application No: **US 2002/0186653**.

4. Regarding Claims 1, Jensen teaches a router setting method comprising:  
a step for a first router device for executing a virtual router process for operating, virtually as one router device, a plurality of router devices connected to a local area network (A VRRP router is configured to run the VRRP in conjunction with one or more other routers attached to a network, such as a local area network (LAN), Page. 1, [0009], Fig. 1 (100)), to send virtual router information as information required for the virtual router process to a second router device newly connected to the local network;  
a step for the newly connected second router device to receive the virtual router

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information; and

a step for the second router device to make a setting required for the virtual router process, on a basis of the virtual router information (The VRRP is an election protocol that dynamically assigns responsibility for one or more virtual router(s) to a VRRP configured router on a network, allowing several routers on a multi-access link to utilize the same. virtual Internet Protocol(IP) address. A VRRP router is configured to run the VRRP in conjunction with one or more other routers attached to a network, such as a local area network (LAN), Page. 1, [0009]).

5. Regarding Claim 2, Jensen teaches a router setting method according to claim 1 as described above. Jensen further teaches wherein a step for the newly connected second router device to request the virtual router information to the first router device, the first router device, received the request, sending the virtual router information to the second router device (The second network node may send a request to route information intended for the first network node to the second network node, Page. 3, [0023]).

6. Regarding Claim 3, Jensen teaches a router setting method according to claim 1, as described above. Jensen further teaches, wherein the first router device sends the virtual router information at a regular interval (The active network node may periodically send a control message to the standby network node, Page. 1, [0010]).

7. Regarding Claims 4, 5 and 6 Jensen teaches a router setting method according to claim 1, as described above. Jensen further teaches wherein the virtual router information includes a virtual router identifier, a virtual IP address and a virtual MAC address (virtual Internet Protocol (IP) address, Col. 1, [0009], The network address may comprise, for example, a medium access control (MAC) network address, Page. 1, [0010]).

8. Regarding Claim 7, Jensen teaches a router device Comprising:  
a virtual router processing section for operating, virtually as one router device, a plurality of router devices connected to a local area network;  
a receiving section for receiving virtual router information required for the virtual router process; and  
a virtual router information processing section for making a setting required for the virtual router process, on a basis of the virtual router information (The VRRP is an election protocol that dynamically assigns responsibility for one or more virtual router(s) to a VRRP configured router on a network, allowing several routers on a multi-access link to utilize the same. virtual Internet Protocol (IP) address. A VRRP router is configured to run the VRRP in conjunction with one or more other routers attached to a network, such as a local area network (LAN), Page. 1, [0009]).

9. Regarding Claims 8, Jensen teaches a router device according to claim 7, as described above. Jensen further teaches wherein the virtual router information processing section further executes, in a predetermined timing, a process to request for the virtual router information (Router may be configured to determine whether it has received the control information for router during a predetermined time interval, Page. 3, [0023]).

10. Regarding Claims 9, Jensen teaches a router device according to claim 8, as described above. Jensen further teaches wherein the predetermined timing is at a time the virtual router information processing section detects a connection to the local area network. (Fig. 1, (102, 104, 108, 106), A VRRP router is configured to run the VRRP in conjunction with one or more other routers attached to a network, such as a local area network (LAN), Page. 1, [0009]).

11. Regarding Claims 10, Jensen teaches a router device according to claim 7, as described above. Jensen further teaches wherein an instruction input section where a request instruction for virtual router information is to be made from a user, to execute a process for requesting for virtual router information when the virtual router information processing section is inputted with the instruction. (As shown in FIG. 2, system includes a processor, an input/output (I/O) adapter, an operator interface, a memory and disk storage. Memory may store computer program instructions and data. The term "program instructions" may include computer code segments comprising words, values

and symbols from a predefined computer language. I/O adapter communicates with other devices and transfers data in and out of the computer system over connection, Page. 2, [0014]).

12. Regarding Claims 11, 12, 13 and 14, Jensen teaches a router device according to claims 7, 8, 9 and 10, as described above. Jensen further teaches wherein the virtual router information processing section, when receiving a request for the virtual router information, further executes a process to send the virtual router information being set as a response thereto to the router sending the request. (The active network node may periodically send a control message to the standby network node. The control message may inform the standby network node that the active network node is active or in operation, Page. 1, [0010]).

13. Regarding Claims 15, Jensen teaches a router device according to claim 7, as described above. Jensen further teaches wherein the virtual router information processing section sends the virtual router information at a regular interval (The active network node may periodically send a control message to the standby network node, Page. 1, [0010]).

### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sulaiman Nooristany whose telephone number is (571) 270-1929. The examiner can normally be reached on \*M-F\*\* from 9 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeff Pwu, can be reached on (571) 272-6798. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sulaiman Nooristany

05/15/2007 SN

*James K. Tewillo*  
JAMES K. TEWILLO  
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TC 2100